

ZBTB4 Antibody

Catalog No: #25243



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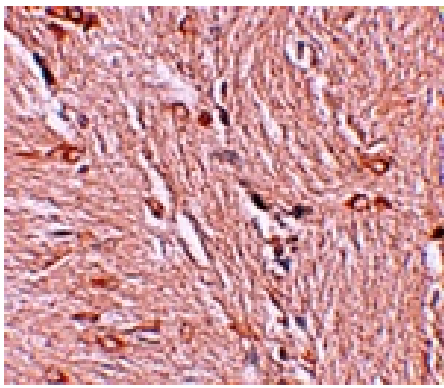
Description

Product Name	ZBTB4 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms
Specificity	At least four isoforms of ZBTB4 are known to exist; this antibody will only recognize the longest isoform. This antibody is predicted to not cross-react with other ZBTB protein family members.
Immunogen Type	Peptide
Immunogen Description	Raised against a 18 amino acid peptide near the carboxy terminus of human ZBTB4.
Target Name	ZBTB4
Other Names	Zinc finger and BTB domain-containing protein 4, KAISO-L1, ZNF903
Accession No.	Swiss-Prot:Q9P1Z0Gene ID:57659
Uniprot	Q9P1Z0
GeneID	57659;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.

Images



Western blot analysis of ZBTB4 in SK-N-SH cell lysate with ZBTB4 antibody at 1 ug/mL.



Immunohistochemistry of ZBTB4 in human brain tissue with ZBTB4 antibody at 2.5 ug/mL.

Background

The ZBTB family of proteins is comprised of diverse zinc finger proteins that also contain a BTB (BR-C, ttk and bab) domain. Similar to Kaiso, a zinc-finger containing protein that can bind methylated CpGs, ZBTB4 can also bind methylated DNA and repress transcription. ZBTB4 has been shown to associate with the Sin3/histone deacetylase co-repressor and repress expression of P21CIP1 as part of a heterodimeric complex with Miz1. In cultured cells, depletion of ZBTB4 promotes cell cycle arrest in response to p53 activation and suppresses apoptosis through regulation of P21CIP1, suggesting that ZBTB4 is a critical determinant of the cellular response to p53 activation. HIPK2, a kinase that is involved in cellular proliferation and survival, phosphorylates and down-regulates ZBTB4 under normal cell growth conditions; this degradation increases with DNA damage.

Note: This product is for in vitro research use only